

WEST

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L17: Entry 1 of 4

File: DWPI

Jul 1, 1999

DERWENT-ACC-NO: 1994-043715

DERWENT-WEEK: 199933

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TITLE: Partly biodegradable, soluble or dispersible polyurethane - prepd. from active hydrogen cpd., diol-contg. acid gps. and diisocyanate, useful in pharmaceutical and cosmetic compsns.

INVENTOR: NGUYEN KIM, S; SANNER, A ; SPERLING-VIETMEIER, K ; NGUYEN, K ; KIM, S N

PATENT-ASSIGNEE:

ASSIGNEE

CODE

BASF AG

BADI

PRIORITY-DATA: 1992DE-4225045 (July 29, 1992)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
ES 2130860 T3	July 1, 1999	N/A	000	C08G018/08
DE 4225045 A1	February 3, 1994	N/A	011	C08G018/30
WO 9403510 A1	February 17, 1994	G	026	C08G018/08
EP 656021 A1	June 7, 1995	G	000	C08G018/08
JP 07509741 W	October 26, 1995	N/A	010	C08G018/42
EP 779310 A2	June 18, 1997	G	000	C08G018/08
EP 779310 A3	July 2, 1997	N/A	000	C08G018/30
EP 656021 B1	October 1, 1997	G	013	C08G018/08
DE 59307474 G	November 6, 1997	N/A	000	C08G018/08
ES 2107673 T3	December 1, 1997	N/A	000	C08G018/08
EP 779310 B1	May 6, 1999	G	000	C08G018/08
DE 59309565 G	June 10, 1999	N/A	000	C08G018/08

DESIGNATED-STATES: CA JP US AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE BE CH
DE ES FR GB IT LI BE CH DE ES FR GB IT LI BE CH DE ES FR GB IT LI BE CH DE ES FR
GB IT LI

CITED-DOCUMENTS: DE 3814536; EP 39162 ; EP 43974 ; US 3835081 ; US 3975350 ; US
4743673 ; EP 295055

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
ES 2130860T3	July 17, 1993	1997EP-0103009	N/A
ES 2130860T3		EP 779310	Based on
DE 4225045A1	July 29, 1992	1992DE-4225045	N/A
WO 9403510A1	July 17, 1993	1993WO-EP01888	N/A
EP 656021A1	July 17, 1993	1993EP-0915942	N/A
EP 656021A1	July 17, 1993	1993WO-EP01888	N/A
EP 656021A1		WO 9403510	Based on
JP07509741W	July 17, 1993	1993WO-EP01888	N/A
JP07509741W	July 17, 1993	1994JP-0504934	N/A
JP07509741W		WO 9403510	Based on
EP 779310A2	July 17, 1993	1993EP-0915942	Div ex
EP 779310A2	July 17, 1993	1997EP-0103009	N/A
EP 779310A3	July 17, 1993	1993EP-0915942	Div ex
EP 779310A3	July 17, 1993	1997EP-0103009	N/A
EP 656021B1	July 17, 1993	1993EP-0915942	N/A
EP 656021B1	July 17, 1993	1993WO-EP01888	N/A
EP 656021B1	July 17, 1993	1997EP-0103009	Related to
EP 656021B1		EP 779310	Related to
EP 656021B1		WO 9403510	Based on
DE59307474G	July 17, 1993	1993DE-0507474	N/A
DE59307474G	July 17, 1993	1993EP-0915942	N/A
DE59307474G	July 17, 1993	1993WO-EP01888	N/A
DE59307474G		EP 656021	Based on
DE59307474G		WO 9403510	Based on
ES 2107673T3	July 17, 1993	1993EP-0915942	N/A
ES 2107673T3		EP 656021	Based on
EP 779310B1	July 17, 1993	1993EP-0915942	Div ex
EP 779310B1	July 17, 1993	1997EP-0103009	N/A
EP 779310B1		EP 656021	Div ex
DE59309565G	July 17, 1993	1993DE-0509565	N/A
DE59309565G	July 17, 1993	1997EP-0103009	N/A
DE59309565G		EP 779310	Based on

INT-CL (IPC): A61K 7/06; A61K 7/11; A61K 9/08; A61K 9/10; A61K 9/20; A61K 9/32; C08G 18/08; C08G 18/30; C08G 18/42; C08G 18/65; C08G 18/66; C09J 175/06

ABSTRACTED-PUB-NO: DE 4225045A
BASIC-ABSTRACT:

Use, as an auxiliary in cosmetic or pharmaceutical compsns., of water-soluble or -dispersible polyurethanes (A), or salts, prepd. from at least one each of cpd. (I) with 2 or more active H atoms per molecule; a diol (II) contg. acid or salt gps. and a diisocyanate (III), and having glass transition temp. at least 15 deg. C and acid no. 12-150, is new. (A) is new when they contain as (I) at least 5 mole% polycondensate of lactic acid with a polyol of formula $Y(O(CO-CHMe-O)nH)m$. Y is residue of 2-4 valent alcohol; n is 1-50; m is 1-4.

USE/ADVANTAGE - (A) Are useful for hair treatment (for setting, shaping or improving structure); in creams, and as coating/binder for tablets. The new (A) can also be used as sizes and water-solubles adhesives. The new (A) are at least partly biodegradable (i.e. over 90% elimination in an activated sludge process).
ABSTRACTED-PUB-NO:

EP 656021B
EQUIVALENT-ABSTRACTS:

The use of polyurethanes which are soluble or dispersible in water and are composed of: a) at least one compound which contains two or more active hydrogens per molecule, b) at least one diol containing acid groups or salt groups and c) at least one diisocyanate with a glass transition temperature of at least 15 deg.C and acid numbers of from 12 to 150 or the salts of these polyurethanes in cosmetic compositions and as binders or coating agents in pharmaceutical compositions.

EP 779310B

Use, as an auxiliary in cosmetic or pharmaceutical compsns., of water-soluble or -dispersible polyurethanes (A), or salts, prepd. from at least one each of cpd. (I) with 2 or more active H atoms per molecule; a diol (II) contg. acid or salt gps. and a diisocyanate (III), and having glass transition temp. at least 15 deg. C and acid no. 12-150, is new. (A) is new when they contain as (I) at least 5 mole% polycondensate of lactic acid with a polyol of formula $Y(O(CO-CHMe-O)nH)m$. Y is residue of 2-4 valent alcohol; n is 1-50; m is 1-4.

USE/ADVANTAGE - (A) Are useful for hair treatment (for setting, shaping or improving structure); in creams, and as coating/binder for tablets. The new (A) can also be used as sizes and water-solubles adhesives. The new (A) are at least partly biodegradable (i.e. over 90% elimination in an activated sludge process).

CHOSEN-DRAWING: Dwg.0/0 Dwg.0/0

TITLE-TERMS: BIODEGRADABLE SOLUBLE DISPERSE POLYURETHANE PREPARATION ACTIVE HYDROGEN COMPOUND DIOL CONTAIN ACID GROUP DI ISOCYANATE USEFUL PHARMACEUTICAL COSMETIC COMPOSITION

DERWENT-CLASS: A25 A96 B07 D21

CPI-CODES: A05-G02; A12-A05F; A12-B; A12-G; A12-V01; A12-V04A; B04-C03D; B12-M02B; B12-M11; B14-R02; D08-A02;

CHEMICAL-CODES:

Chemical Indexing M1 *01*

Fragmentation Code

G010 G015 G017 G019 G035 G040 G100 G111 G112 G113
G563 H4 H402 H482 H8 J0 J014 J132 J2 J232
J273 K0 K431 L4 L463 L499 M280 M311 M312 M313
M314 M315 M316 M322 M323 M331 M332 M333 M340 M342
M373 M381 M383 M393 M423 M510 M520 M530 M533 M540
M541 M620 M630 M710 M781 M903 M904 P930 Q252 Q331
V743

Specific Compounds

00574M 00574Q 01392M 01392Q 01455M 01455Q 01624M 01624Q

Markush Compounds

199406-02701-M 199406-02701-N 199406-02701-Q 199406-02702-M 199406-02702-N
199406-02702-Q

Registry Numbers

1278P 1544S 1732U 1532P 1779P 0517U 0843U 1926S 1966S 1036U
0758U 1784U

UNLINKED-DERWENT-REGISTRY-NUMBERS: 0574U; 1392U ; 1455U ; 1624U

POLYMER-MULTIPUNCH-CODES-AND-KEY-SERIALS:

Key Serials: 0004 0037 0041 0044 0047 0050 0053 0203 0226 1279 1288 1291 1296 1297 1300 1343 1715
1729 1760 1766 1768 1838 1840 1842 2575 2585 2606 2667 2682 2718 2761 2766 3132

Multipunch Codes: 017 02& 038 05- 06- 075 09& 09- 10& 10- 143 144 147 150 157 163 169 17& 174 177 185

195 206 207 209 212 230 239 240 333 40- 477 525 53& 532 537 541 544 546 575 583 589 604 608 609 645
728

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C1994-019545

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L14: Entry 1 of 3

File: DWPI

Nov 10, 1999

DERWENT-ACC-NO: 1997-372581

DERWENT-WEEK: 199953

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TITLE: Cosmetic and dermatological composition for hair, skin, nails etc. -
contains solution or emulsion of ionisable multi-block copolymer with repeating
polysiloxane sequences and polyurethane and/or polyurea sequences

INVENTOR: MONDET, J; MOUGIN, N

PATENT-ASSIGNEE:

ASSIGNEE

CODE

L'OREAL SA

OREA

PRIORITY-DATA: 1996FR-0000098 (January 5, 1996)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 2974419 B2	November 10, 1999	N/A	013	A61K007/00
WO 9725021 A1	July 17, 1997	F	036	A61K007/48
FR 2743297 A1	July 11, 1997	N/A	024	A61K007/48
EP 814764 A1	January 7, 1998	F	000	A61K007/48
JP 10509742 W	September 22, 1998	N/A	035	A61K007/00
EP 814764 B1	May 12, 1999	F	000	A61K007/48
DE 69602431 E	June 17, 1999	N/A	000	A61K007/48
ES 2134022 T3	September 16, 1999	N/A	000	A61K007/48

DESIGNATED-STATES: BR CA JP KR MX PL RU US AT BE CH DE DK ES FI FR GB GR IE IT LU
MC NL PT SE DE ES FR GB IT DE ES FR GB IT

CITED-DOCUMENTS:EP 636361

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
JP 2974419B2	December 10, 1996	1996WO-FR01976	N/A
JP 2974419B2	December 10, 1996	1997JP-0524890	N/A
JP 2974419B2		JP 10509742	Previous Publ.
JP 2974419B2		WO 9725021	Based on
WO 9725021A1	December 10, 1996	1996WO-FR01976	N/A
FR 2743297A1	January 5, 1996	1996FR-0000098	N/A
EP 814764A1	December 10, 1996	1996EP-0941737	N/A
EP 814764A1	December 10, 1996	1996WO-FR01976	N/A
EP 814764A1		WO 9725021	Based on
JP 10509742W	December 10, 1996	1996WO-FR01976	N/A
JP 10509742W	December 10, 1996	1997JP-0524890	N/A
JP 10509742W		WO 9725021	Based on
EP 814764B1	December 10, 1996	1996EP-0941737	N/A
EP 814764B1	December 10, 1996	1996WO-FR01976	N/A
EP 814764B1		WO 9725021	Based on
DE 69602431E	December 10, 1996	1996DE-0602431	N/A
DE 69602431E	December 10, 1996	1996EP-0941737	N/A
DE 69602431E	December 10, 1996	1996WO-FR01976	N/A
DE 69602431E		EP 814764	Based on
DE 69602431E		WO 9725021	Based on
ES 2134022T3	December 10, 1996	1996EP-0941737	N/A
ES 2134022T3		EP 814764	Based on

INT-CL (IPC): A61K 7/00; A61K 7/02; A61K 7/04; A61K 7/043; A61K 7/06; A61K 7/42; A61K 7/48; A61K 9/08; A61K 9/107; A61K 47/30; C08G 18/61; C08L 75/04; C08L 83/10

ABSTRACTED-PUB-NO: EP 814764B
BASIC-ABSTRACT:

Cosmetic or dermatological composition containing in a cosmetically-acceptable carrier, at least one solution or organic solvent-in-water emulsion of at least one multi-sequenced polycondensate having repeating units in the chain comprising at least one polysiloxane sequence and at least one polyurethane and/or polyurea sequence and additionally containing ionisable groups. The polycondensate is dissolved in an aqueous, organic or aqueous/organic solvent system.

USE - The composition is used for treatment, care and make-up of skin, hair, nails and other keratinic materials particularly nail varnish, nail care preparations, mascara, skin care preparations and anti-solar preparations (all claimed).

ADVANTAGE - The polycondensates have good film-forming properties and very good affinity, compatibility and adhesion to keratinic materials such as skin, hair, nails, lashes etc. whilst also being harmless in contact with these to give high quality deposited coating films with good durability to water, shampooing etc.

ABSTRACTED-PUB-NO:

WO 9725021A
EQUIVALENT-ABSTRACTS:

Cosmetic or dermatological composition containing in a cosmetically-acceptable carrier, at least one solution or organic solvent-in-water emulsion of at least one multi-sequenced polycondensate having repeating units in the chain comprising at least one polysiloxane sequence and at least one polyurethane and/or polyurea sequence and additionally containing ionisable groups. The polycondensate is dissolved in an aqueous, organic or aqueous/organic solvent system.

USE - The composition is used for treatment, care and make-up of skin, hair,

nails and other keratinic materials particularly nail varnish, nail care preparations, mascara, skin care preparations and anti-solar preparations (all claimed).

ADVANTAGE - The polycondensates have good film-forming properties and very good affinity, compatibility and adhesion to keratinic materials such as skin, hair, nails, lashes etc. whilst also being harmless in contact with these to give high quality deposited coating films with good durability to water, shampooing etc.

CHOSEN-DRAWING: Dwg.0/0

TITLE-TERMS: COSMETIC DERMATOLOGY COMPOSITION HAIR SKIN NAIL CONTAIN SOLUTION EMULSION IONISE MULTI BLOCK COPOLYMER REPEAT POLYSILOXANE SEQUENCE POLYURETHANE POLYUREA SEQUENCE

DERWENT-CLASS: A25 A26 A96 B07 D21 E19

CPI-CODES: A05-G01E; A05-J04; A06-A00E3; A12-V01; A12-V04; B04-C03B; B05-B01B; B14-R01; D08-B01; D08-B02; D08-B03; D08-B09A;

CHEMICAL-CODES:

Chemical Indexing M1 *01*

Fragmentation Code

B414 B514 B614 B713 B720 B731 B732 B744 B793 B796
B799 B833 F011 F018 F019 F021 F029 G001 G002 G003
G010 G011 G012 G013 G014 G015 G016 G019 G020 G021
G022 G029 G030 G035 G036 G038 G039 G040 G050 G100
G111 G112 G113 G221 G299 G553 G563 G599 H100 H102
H103 H141 H142 H181 H182 H183 H401 H441 H481 H581
J011 J012 J013 J014 J131 J132 J133 J171 J172 J173
K0 K431 K499 L4 L432 L462 L463 L499 L640 L699
L721 L722 L723 L724 M111 M112 M114 M116 M119 M121
M122 M123 M124 M125 M126 M129 M132 M135 M137 M139
M144 M147 M148 M149 M150 M210 M211 M212 M213 M214
M215 M216 M220 M221 M222 M223 M224 M225 M226 M231
M232 M233 M240 M250 M273 M280 M281 M282 M283 M311
M312 M313 M314 M315 M316 M320 M321 M322 M323 M331
M332 M333 M340 M342 M343 M351 M361 M373 M381 M383
M391 M392 M393 M423 M430 M510 M520 M521 M522 M523
M530 M531 M532 M533 M540 M541 M542 M543 M620 M782
M903 M904 P943 Q120 Q252 Q254 Q263 R022 R023 V742

Markush Compounds

199734-37501-M

Chemical Indexing M2 *02*

Fragmentation Code

J5 J581 M210 M211 M262 M282 M320 M416 M430 M620
M782 M903 M904 M910 Q120 Q252 Q254 Q262 Q615

Specific Compounds

00272M

Registry Numbers

0272U

Chemical Indexing M3 *02*

Fragmentation Code

J5 J581 M210 M211 M262 M282 M320 M416 M430 M620
M782 M903 M904 M910 Q120 Q252 Q254 Q262 Q615

Specific Compounds

00272M

Registry Numbers

0272U

Chemical Indexing M2 *03*

Fragmentation Code

J0 J011 J2 J271 M210 M211 M214 M231 M262 M272
M281 M320 M416 M430 M620 M782 M903 M904 M910 Q120
Q252 Q254 Q262 Q615

Specific Compounds

01056M

Registry Numbers

1056U

Chemical Indexing M3 *03*

Fragmentation Code

J0 J011 J2 J271 M210 M211 M214 M231 M262 M272
M281 M320 M416 M430 M620 M782 M903 M904 M910 Q120
Q252 Q254 Q262 Q615

Specific Compounds

01056M

Registry Numbers

1056U

Chemical Indexing M2 *04*

Fragmentation Code

H5 H582 H8 M210 M212 M272 M282 M312 M321 M332
M342 M383 M391 M416 M430 M620 M782 M903 M904 Q120
Q252 Q254 Q262 Q615

Specific Compounds

09929M

Chemical Indexing M3 *04*

Fragmentation Code

H5 H582 H8 M210 M212 M272 M282 M312 M321 M332
M342 M383 M391 M416 M430 M620 M782 M903 M904 Q120
Q252 Q254 Q262 Q615

Specific Compounds

09929M

Chemical Indexing M2 *05*

Fragmentation Code

H5 H582 H8 M210 M211 M272 M282 M312 M321 M332
M342 M383 M391 M416 M430 M620 M782 M903 M904 M910
Q120 Q252 Q254 Q262 Q615

Specific Compounds

00911M

Registry Numbers

0911U

Chemical Indexing M3 *05*

Fragmentation Code

H5 H582 H8 M210 M211 M272 M282 M312 M321 M332
M342 M383 M391 M416 M430 M620 M782 M903 M904 M910
Q120 Q252 Q254 Q262 Q615

Specific Compounds

00911M

Registry Numbers

0911U

Chemical Indexing M2 *06*

Fragmentation Code

H4 H401 H481 H8 M210 M212 M272 M281 M320 M416
M430 M620 M782 M903 M904 M910 Q120 Q252 Q254 Q262
Q615

Specific Compounds

00245M

Registry Numbers

0245U

Chemical Indexing M3 *06*

Fragmentation Code

H4 H401 H481 H8 M210 M212 M272 M281 M320 M416
M430 M620 M782 M903 M904 M910 Q120 Q252 Q254 Q262
Q615

Specific Compounds

00245M

Registry Numbers

0245U

Chemical Indexing M2 *07*

Fragmentation Code

J0 J011 J2 J271 M210 M211 M212 M262 M272 M281
M320 M416 M430 M620 M782 M903 M904 M910 Q120 Q252
Q254 Q262 Q615

Specific Compounds

01135M

Registry Numbers

1135U

Chemical Indexing M3 *07*

Fragmentation Code

J0 J011 J2 J271 M210 M211 M212 M262 M272 M281
M320 M416 M430 M620 M782 M903 M904 M910 Q120 Q252
Q254 Q262 Q615

Specific Compounds

01135M

Registry Numbers

1135U

Chemical Indexing M2 *08*

Fragmentation Code

H4 H401 H481 H8 M210 M213 M232 M272 M281 M320
M416 M430 M620 M782 M903 M904 M910 Q120 Q252 Q254
Q262 Q615

Specific Compounds

00271M

Registry Numbers

0271U

Chemical Indexing M3 *08*

Fragmentation Code

H4 H401 H481 H8 M210 M213 M232 M272 M281 M320
M416 M430 M620 M782 M903 M904 M910 Q120 Q252 Q254
Q262 Q615

Specific Compounds

00271M

Registry Numbers

0271U

Chemical Indexing M2 *09*

Fragmentation Code

J5 J581 M210 M211 M212 M262 M282 M320 M416 M430
M620 M782 M903 M904 M910 Q120 Q252 Q254 Q262 Q615

Specific Compounds

00437M

Registry Numbers

0437U

Chemical Indexing M3 *09*

Fragmentation Code

J5 J581 M210 M211 M212 M262 M282 M320 M416 M430
M620 M782 M903 M904 M910 Q120 Q252 Q254 Q262 Q615

Specific Compounds

00437M

Registry Numbers
0437U

Chemical Indexing M2 *10*

Fragmentation Code

J0 J011 J2 J271 M210 M211 M262 M272 M281 M320
M416 M430 M620 M782 M903 M904 M910 Q120 Q252 Q254
Q262 Q615

Specific Compounds

00452M

Registry Numbers

0452U

Chemical Indexing M3 *10*

Fragmentation Code

J0 J011 J2 J271 M210 M211 M262 M272 M281 M320
M416 M430 M620 M782 M903 M904 M910 Q120 Q252 Q254
Q262 Q615

Specific Compounds

00452M

Registry Numbers

0452U

Chemical Indexing M6 *11*

Fragmentation Code

M903 Q120 Q252 Q254 Q263 Q615 R022 R023 R111 R320

UNLINKED-DERWENT-REGISTRY-NUMBERS: 0245U; 0271U ; 0272U ; 0437U ; 0452U ; 0911U ; 1056U ;
1135U

ENHANCED-POLYMER-INDEXING:

Polymer Index [1.1] 018 ; D01 D18*R D50 D82 D83 D84 D85 D86 D87 D88 D89 D90 D91 D92 D93 D94 D95
F81 F86 D11 D10 D13*R D14 D13 D31 D32 D76 D19 D18 D20 D33 D34 D78 ; G0997*R D01 F26 G1092*R
D18 D76 F30 G1649*R F07 D11 D10 D19 D31 D50 D60 D83 D84 D85 D86 D87 D88 D89 D90 D91 D92 D93
F08 F09 F10 F27 F28 F31 F32 F35*R F36 F35 F62 ; G1854*R G1843 D01 F73 D11 D10 D14 D13 D19 D18 D20
D31 D32 D76 D78 D50 D83 D84 D85 D86 D87 D88 D89 D90 D91 D92 D93 D94 ; H0044*R H0011 ; H0033
H0011 ; H0260 ; P1592*R F77 D01 ; P1581 P1570 P1592 H0260 F77 F78 D01 ; P1650 P1592 F77 D01 ;
P1445*R F81 Si 4A ; P1570*R F78 D01 ; M9999 M2415 ; M9999 M2700 ; L9999 L2528 L2506 ; L9999 L2028 ;
L9999 L2824 ; S9999 S1025 S1014 ; S9999 S1616 S1605 ; S9999 S1627 S1605 Polymer Index [1.2] 018 ; D01
D18*R D50 D82 D83 D84 D85 D86 D87 D88 D89 D90 D91 D92 D93 D94 D95 F81 F86 D11 D10 D13*R D14
D13 D31 D32 D76 D19 D18 D20 D33 D34 D78 ; G1069 G1025 G0997 D01 F28 F26 D11 D10 D50 D60 D85 F36
F35 ; R00735 G1887 G1854 G1843 D01 D11 D10 D19 D18 D32 D50 D76 D93 F73 ; H0044*R H0011 ; H0033
H0011 ; H0260 ; P1592*R F77 D01 ; P1581 P1570 P1592 H0260 F77 F78 D01 ; P1650 P1592 F77 D01 ;
P1445*R F81 Si 4A ; P1570*R F78 D01 ; M9999 M2415 ; M9999 M2700 ; L9999 L2528 L2506 ; L9999 L2028 ;
L9999 L2824 ; S9999 S1025 S1014 ; S9999 S1616 S1605 ; S9999 S1627 S1605 ; L9999 L2664 L2506 Polymer
Index [1.3] 018 ; ND01 ; Q9999 Q9176 Q9165 ; Q9999 Q9187 Q9165 ; Q9999 Q8037 Q7987 ; K9745*R ;
ND04 ; B9999 B5094 B4977 B4740 ; K9643 K9621 ; K9632 K9621 ; B9999 B4762 B4740 ; B9999 B5301 B5298
B5276 Polymer Index [1.4] 018 ; R00415 D01 D11 D10 D50 D61 D68 D95 Sn 4A ; C999 C102 C000 ; C999
C306 Polymer Index [1.5] 018 ; D01 D11 D10 D50 D63 D83 F89 F41 ; R01740 G2335 D00 F20 H* O* 6A ;
R00272 G1525 D01 D11 D10 D50 D83 F23 ; R00437 G1525 D01 D11 D10 D50 D84 F23 ; R01135 D01 D11
D10 D50 D63 D84 F41 F89 ; R00271 D01 D11 D10 D50 D83 F27 F26 ; R00245 D01 D11 D10 D50 D82 F27 F26
; R00895 G1592 D01 D23 D22 D31 D42 D50 D75 D84 F34 ; G2595*R D01 D11 D10 D50 D63 D86 F41 ; D01
D11 D10 D50 D84 F34 D86 ; D01 D11 D10 D63 F27 F26 F34 F41*R ; D01 D02 D11 D10 D50 D92 ; A999 A475
; A999 A771 Polymer Index [2.1] 018 ; P1445*R F81 Si 4A ; M9999 M2084 ; M9999 M2153*R ; M9999 M2835
; A999 A475 ; A999 A782

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C1997-120001

WEST

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L13: Entry 5 of 6

File: DWPI

Jul 1, 1999

DERWENT-ACC-NO: 1994-043715

DERWENT-WEEK: 199933

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TITLE: Partly biodegradable, soluble or dispersible polyurethane - prepd. from active hydrogen cpd., diol-contg. acid gps. and diisocyanate, useful in pharmaceutical and cosmetic compsns.

INVENTOR: NGUYEN KIM, S; SANNER, A ; SPERLING-VIETMEIER, K ; NGUYEN, K ; KIM, S N

PATENT-ASSIGNEE:

ASSIGNEE

CODE

BASF AG

BADI

PRIORITY-DATA: 1992DE-4225045 (July 29, 1992)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
ES 2130860 T3	July 1, 1999	N/A	000	C08G018/08
DE 4225045 A1	February 3, 1994	N/A	011	C08G018/30
WO 9403510 A1	February 17, 1994	G	026	C08G018/08
EP 656021 A1	June 7, 1995	G	000	C08G018/08
JP 07509741 W	October 26, 1995	N/A	010	C08G018/42
EP 779310 A2	June 18, 1997	G	000	C08G018/08
EP 779310 A3	July 2, 1997	N/A	000	C08G018/30
EP 656021 B1	October 1, 1997	G	013	C08G018/08
DE 59307474 G	November 6, 1997	N/A	000	C08G018/08
ES 2107673 T3	December 1, 1997	N/A	000	C08G018/08
EP 779310 B1	May 6, 1999	G	000	C08G018/08
DE 59309565 G	June 10, 1999	N/A	000	C08G018/08

DESIGNATED-STATES: CA JP US AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE BE CH
DE ES FR GB IT LI BE CH DE ES FR GB IT LI BE CH DE ES FR GB IT LI BE CH DE ES FR
GB IT LI

CITED-DOCUMENTS: DE 3814536; EP 39162 ; EP 43974 ; US 3835081 ; US 3975350 ; US
4743673 ; EP 295055

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
ES 2130860T3	July 17, 1993	1997EP-0103009	N/A
ES 2130860T3		EP 779310	Based on
DE 4225045A1	July 29, 1992	1992DE-4225045	N/A
WO 9403510A1	July 17, 1993	1993WO-EP01888	N/A
EP 656021A1	July 17, 1993	1993EP-0915942	N/A
EP 656021A1	July 17, 1993	1993WO-EP01888	N/A
EP 656021A1		WO 9403510	Based on
JP07509741W	July 17, 1993	1993WO-EP01888	N/A
JP07509741W	July 17, 1993	1994JP-0504934	N/A
JP07509741W		WO 9403510	Based on
EP 779310A2	July 17, 1993	1993EP-0915942	Div ex
EP 779310A2	July 17, 1993	1997EP-0103009	N/A
EP 779310A3	July 17, 1993	1993EP-0915942	Div ex
EP 779310A3	July 17, 1993	1997EP-0103009	N/A
EP 656021B1	July 17, 1993	1993EP-0915942	N/A
EP 656021B1	July 17, 1993	1993WO-EP01888	N/A
EP 656021B1	July 17, 1993	1997EP-0103009	Related to
EP 656021B1		EP 779310	Related to
EP 656021B1		WO 9403510	Based on
DE59307474G	July 17, 1993	1993DE-0507474	N/A
DE59307474G	July 17, 1993	1993EP-0915942	N/A
DE59307474G	July 17, 1993	1993WO-EP01888	N/A
DE59307474G		EP 656021	Based on
DE59307474G		WO 9403510	Based on
ES 2107673T3	July 17, 1993	1993EP-0915942	N/A
ES 2107673T3		EP 656021	Based on
EP 779310B1	July 17, 1993	1993EP-0915942	Div ex
EP 779310B1	July 17, 1993	1997EP-0103009	N/A
EP 779310B1		EP 656021	Div ex
DE59309565G	July 17, 1993	1993DE-0509565	N/A
DE59309565G	July 17, 1993	1997EP-0103009	N/A
DE59309565G		EP 779310	Based on

INT-CL (IPC): A61K 7/06; A61K 7/11; A61K 9/08; A61K 9/10; A61K 9/20; A61K 9/32; C08G 18/08; C08G 18/30; C08G 18/42; C08G 18/65; C08G 18/66; C09J 175/06

ABSTRACTED-PUB-NO: DE 4225045A
BASIC-ABSTRACT:

Use, as an auxiliary in cosmetic or pharmaceutical compsns., of water-soluble or -dispersible polyurethanes (A), or salts, prepd. from at least one each of cpd. (I) with 2 or more active H atoms per molecule; a diol (II) contg. acid or salt gps. and a diisocyanate (III), and having glass transition temp. at least 15 deg. C and acid no. 12-150, is new. (A) is new when they contain as (I) at least 5 mole% polycondensate of lactic acid with a polyol of formula Y(O(CO-CHMe-O)nH)m. Y is residue of 2-4 valent alcohol; n is 1-50; m is 1-4.

USE/ADVANTAGE - (A) Are useful for hair treatment (for setting, shaping or improving structure); in creams, and as coating/binder for tablets. The new (A) can also be used as sizes and water-solubles adhesives. The new (A) are at least partly biodegradable (i.e. over 90% elimination in an activated sludge process).
ABSTRACTED-PUB-NO:

EP 656021B
EQUIVALENT-ABSTRACTS:

The use of polyurethanes which are soluble or dispersible in water and are composed of: a) at least one compound which contains two or more active hydrogens per molecule, b) at least one diol containing acid groups or salt groups and c) at least one diisocyanate with a glass transition temperature of at least 15 deg.C and acid numbers of from 12 to 150 or the salts of these polyurethanes in cosmetic compositions and as binders or coating agents in pharmaceutical compositions.

EP 779310B

Use, as an auxiliary in cosmetic or pharmaceutical compsns., of water-soluble or -dispersible polyurethanes (A), or salts, prepd. from at least one each of cpd. (I) with 2 or more active H atoms per molecule; a diol (II) contg. acid or salt gps. and a diisocyanate (III), and having glass transition temp. at least 15 deg. C and acid no. 12-150, is new. (A) is new when they contain as (I) at least 5 mole% polycondensate of lactic acid with a polyol of formula $Y(O(CO-CHMe-O)nH)m$. Y is residue of 2-4 valent alcohol; n is 1-50; m is 1-4.

USE/ADVANTAGE - (A) Are useful for hair treatment (for setting, shaping or improving structure); in creams, and as coating/binder for tablets. The new (A) can also be used as sizes and water-solubles adhesives. The new (A) are at least partly biodegradable (i.e. over 90% elimination in an activated sludge process).

CHOSEN-DRAWING: Dwg.0/0 Dwg.0/0

TITLE-TERMS: BIODEGRADABLE SOLUBLE DISPERSE POLYURETHANE PREPARATION ACTIVE HYDROGEN COMPOUND DIOL CONTAIN ACID GROUP DI ISOCYANATE USEFUL PHARMACEUTICAL COSMETIC COMPOSITION

DERWENT-CLASS: A25 A96 B07 D21

CPI-CODES: A05-G02; A12-A05F; A12-B; A12-G; A12-V01; A12-V04A; B04-C03D; B12-M02B; B12-M11; B14-R02; D08-A02;

CHEMICAL-CODES:

Chemical Indexing M1 *01*

Fragmentation Code

G010 G015 G017 G019 G035 G040 G100 G111 G112 G113
G563 H4 H402 H482 H8 J0 J014 J132 J2 J232
J273 K0 K431 L4 L463 L499 M280 M311 M312 M313
M314 M315 M316 M322 M323 M331 M332 M333 M340 M342
M373 M381 M383 M393 M423 M510 M520 M530 M533 M540
M541 M620 M630 M710 M781 M903 M904 P930 Q252 Q331
V743

Specific Compounds

00574M 00574Q 01392M 01392Q 01455M 01455Q 01624M 01624Q

Markush Compounds

199406-02701-M 199406-02701-N 199406-02701-Q 199406-02702-M 199406-02702-N
199406-02702-Q

Registry Numbers

1278P 1544S 1732U 1532P 1779P 0517U 0843U 1926S 1966S 1036U
0758U 1784U

UNLINKED-DERWENT-REGISTRY-NUMBERS: 0574U; 1392U ; 1455U ; 1624U

POLYMER-MULTIPUNCH-CODES-AND-KEY-SERIALS:

Key Serials: 0004 0037 0041 0044 0047 0050 0053 0203 0226 1279 1288 1291 1296 1297 1300 1343 1715
1729 1760 1766 1768 1838 1840 1842 2575 2585 2606 2667 2682 2718 2761 2766 3132

Multipunch Codes: 017 02& 038 05- 06- 075 09& 09- 10& 10- 143 144 147 150 157 163 169 17& 174 177 185

195 206 207 209 212 230 239 240 333 40- 477 525 53& 532 537 541 544 546 575 583 589 604 608 609 645
728

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C1994-019545